

Please check the examination details below before entering your candidate information

Candidate surname

Other names

Centre Number

Candidate Number

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Pearson Edexcel Award

Time 1 hour

Paper
reference

ANM20/2A



Number and Measure

Level 2

Section A (Calculator)

Total Marks

You must have:

Ruler graduated in centimetres and millimetres, protractor, pen, HB pencil, eraser, calculator.

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided
 - *there may be more space than you need.*
- **Calculators may be used.**
- If your calculator does not have a π button, take the value of π to be 3.142 unless the question instructs otherwise.



Information

- The total mark for this paper is 50
- The marks for **each** question are shown in brackets
 - *use this as a guide as to how much time to spend on each question.*

Advice

- Read each question carefully before you start to answer it.
- Try to answer every question.
- Check your answers if you have time at the end.

Turn over ▶

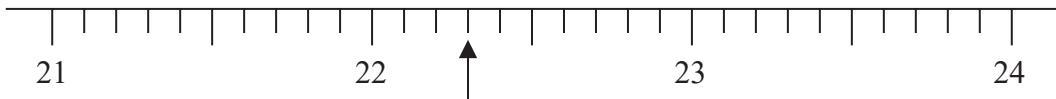
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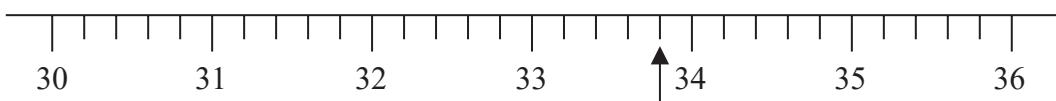


Pearson

Section A**Answer ALL questions.****Write your answers in the spaces provided.****You must write down all the stages in your working.****1 (a)**

Write down the number marked with the arrow.

(1)

(b)

Write down the number marked with the arrow.

(1)

(Total for Question 1 is 2 marks)**2 (a) Work out $12 \div -4$**

(1)

(b) Work out $-7 - -9$

(1)

(c) Work out $-8 + -4$

(1)

(Total for Question 2 is 3 marks)

- 3 (a) Find the value of $\sqrt{576}$

.....
(1)

- (b) Find the value of 13^3

.....
(1)

- (c) Work out the value of $2^5 \times 4^2$

.....
(2)

(Total for Question 3 is 4 marks)

- 4 Change 5971 Icelandic krona into pounds (£) using an exchange rate of £1 = 140 Icelandic krona.

£.....

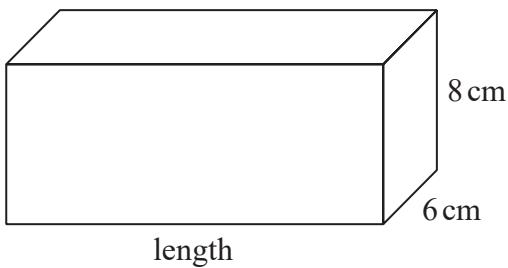
(Total for Question 4 is 2 marks)

- 5 Work out 21% of 4200

.....
(Total for Question 5 is 2 marks)



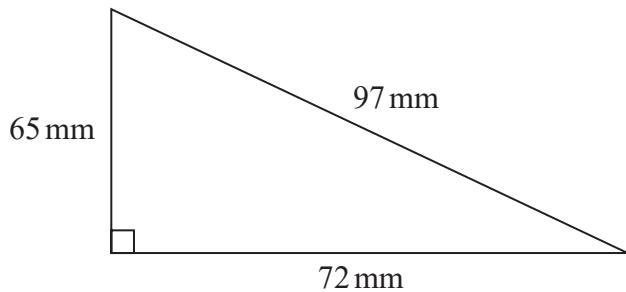
P 6 6 3 2 2 A 0 3 1 2

6

The volume of this cuboid is 720 cm^3 .

Work out the length of the cuboid.

(Total for Question 6 is 3 marks)

7

Work out the perimeter of this triangle.

..... mm

(Total for Question 7 is 2 marks)

4

- 8 Work out 42.41×7.9

.....
(Total for Question 8 is 1 mark)

- 9 Sean works for a company selling car insurance.

He gets paid £18.50 for each hour he works.

He also gets paid £30.50 for each car he insures.

One week, Sean works for 28 hours and insures 16 cars.

He pays £190 tax on what he earns for the week.

Work out Sean's total pay after the deduction of tax.

£.....

(Total for Question 9 is 4 marks)

- 10 Change 88 kg into pounds.

(1 kg = 2.2 pounds)

..... pounds

(Total for Question 10 is 2 marks)



P 6 6 3 2 2 A 0 5 1 2

11 Work out $5\frac{1}{2} \div 2\frac{1}{5}$

.....
.....
(Total for Question 11 is 2 marks)

12 Find the Lowest Common Multiple (LCM) of 25 and 80

.....
.....
(Total for Question 12 is 3 marks)

13 John invests £4000 for 3 years in an account paying simple interest at a rate of 1.5% per year.

Work out the total amount of simple interest paid to John by the end of the 3 years.

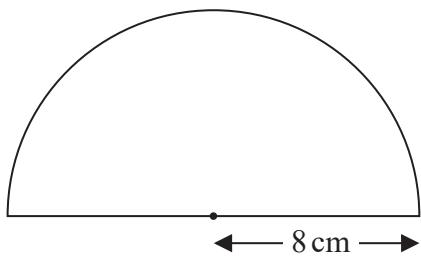
£.....

(Total for Question 13 is 3 marks)



- 14 A semicircle has a radius of 8 cm.

Work out the perimeter of the semicircle.



..... cm

(Total for Question 14 is 3 marks)

- 15 In 2019, Sameena was paid a salary of £20 600
In 2020, Sameena was paid a salary of £23 896

What is the percentage increase in the salary paid to Sameena?

..... %

(Total for Question 15 is 3 marks)



P 6 6 3 2 2 A 0 7 1 2

16 Tina is investigating the number of damaged apples in each of 30 boxes of apples.

The table gives information about her results.

Number of damaged apples	Number of boxes
2	16
3	8
4	5
5	1

Work out the total number of damaged apples in the 30 boxes.

.....
(Total for Question 16 is 3 marks)

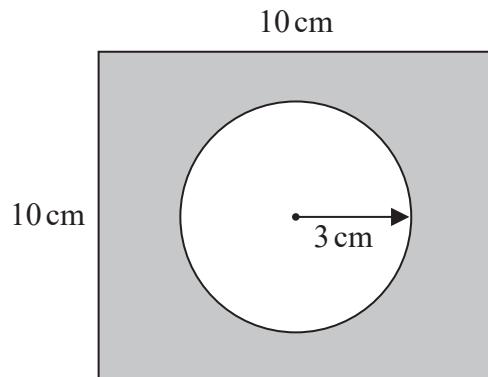
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- 17 This shaded shape is made by cutting a circle out of a square.



The square has sides of length 10 cm.

The circle has radius 3 cm.

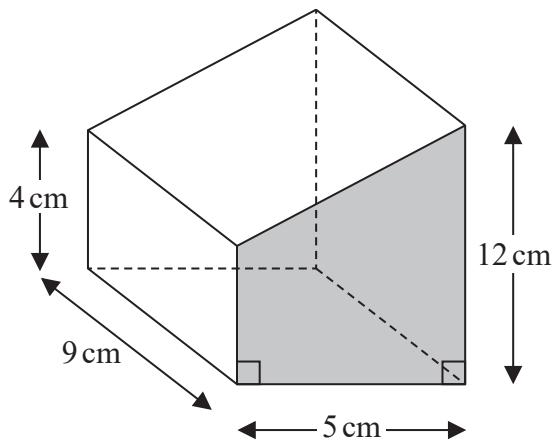
Work out the area of the shaded shape.

..... cm^2

(Total for Question 17 is 4 marks)



18 Here is a prism.



- (i) Work out the area of the shaded face.

..... cm^2

- (ii) Work out the volume of the prism.

..... cm^3

(Total for Question 18 is 4 marks)

TOTAL FOR SECTION A IS 50 MARKS



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